### ATTACHMENT A

CITY OF DAYTON'S SCHEDULE OF RATES FOR SEWER SERVICE



Home City Commission Office City Manager's Office Departments News Services My Dayton

### **Water Service Rates**

### Minimum charge per quarter

RATES FOR WATER SERVIC Manamum Charge Per Quart (Effective January 1, 2009	e) <sup>-</sup>		RATES FOR SEWER SERVICE Minimum Charge per Quarter (Effective January 1, 2009)	
5/8" Meter 3/4" Meter 1" Meter 1-1.5" Meter 2" Meter 4" Meter 6" Meter 6" Meter 10" Meter >10" Meter First 10,000 CF/1000 Next 90,000 CF/1000 Next 400,000 CF/1000 Next 500,000 CF/1000 Over 1,000,000 CF/1000	\$12.97 \$21.53 \$46.50 \$91.87 \$168.01 \$353.08 \$551.09 \$965.53 \$1,652.38 \$2,753.67 \$3,800.47 \$24.67 \$23.50 \$22.17 \$18.17 \$16.79	5/8" 3/4" 1" 1.5" 2" 3" 4" 6" 8" 10" First Next Over	Meter 10,600 CF/1000 90,000 CF/1000	\$14.16 \$14.16 \$27.67 \$29.26 \$32.10 \$65.39 \$78.50 \$106.73 \$139.00 \$175.33 \$16.39 \$12.57 \$11.13

### Minimum charge per month

	RATES FOR WATER SERVIC Minimum Charge Per Month (Effective January 1, 2009)	1		RATES FOR SEWER SERVICE Minimum charge per month (Effective January 1, 2009)	
5/8" 3/4" 1" 1-1.5" 2" 3" 4" 6" 8" 10" >10" First Next	Meter 1,300 CF/1000 133,000 CF/1000 133,000 CF/1000	\$10.27 \$13.06 \$22.07 \$37.52 \$63.57 \$127.16 \$191.30 \$322.98 \$551.17 \$918.46 \$1,266.78 \$24.67 \$23.50 \$22.17 \$18.17	5/8" 3/4" 1" 1.5" 2" 3" 4" 6" 8" 10" First Next Over	Meter  Meter	\$11.19 \$11.19 \$15.70 \$16.24 \$17.18 \$28.60 \$32.64 \$42.06 \$52.81 \$64.91 \$16.39 \$12.57 \$11.13
Next Over	333,200 CF/1000	\$16.79			

Additionally, the above rates are subject to charges up to \$0.50/1000 cf, added for the Wall Field Protection Fund.

In addition to the above rates, an Extra Strength Surcharge shall be made for discharges as follows:

NOTICE

Strength Component

Charge Per Excess Strength Unit Per 1990 C.f.

4/30/2010

Official Site of The City of Dayton, OH

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Net amount (5% discount) allowed if paid by the day specified. Gross amount payable thereafter, For further information: 333-3550 Biochemical Oxygen Demand (BOD) in excess of 350 mg/l Suspended Solids in excess of

Suspended Solids In excess of 350 mg/f

Special monitoring charge - \$/ccf

\$0.00567

\$0.00609

\$0.0921.6

ATTACHMENT B

CITY OF DAYTON'S STANDARDS FOR STREET IMPROVEMENTS AND STREET OF BUILDING

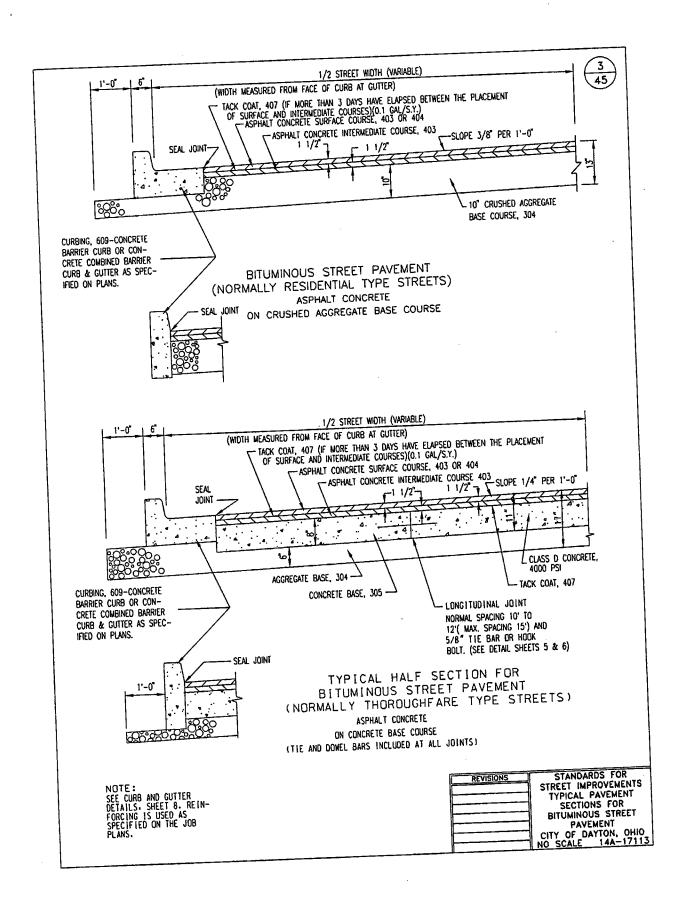


EXHIBIT CALL	
GITS JON Bradmutt	

Total	\$53,391,636	. 1	\$230,472,996 (	\$247,677,885 \$173,756,586	
Total NPV	06	47,156,997	\$126,552,015 \$61,478,816		
2b	Total NFV eso 016 167 837 895 738	\$50,010,10, \$50,460,529 \$6	#048 449 867 \$102 458.431	\$210,112,001 \$224 Ann 408 \$466 412 588	יייייייייייייייייייייייייייייייייייייי
2a	Total	\$48,550,311 \$33,209,514	\$52,137,700 \$43,113,469	\$59,215,105	\$122,698,630 \$90,379,862
		POTW Base	Variation	T&D Base	Variation

Base Assumptions are 7% NPV Discount Rate and \$O for agency oversight of the RDRA both of which are unrealistic.

Variation Assumptions are 9% oversight costs of the RDRA based on actual experience at the Site over the history of the Site and 2.7% NPV Discount Rate based on U.S. Government data on prevailing prime interest rates and predictions regarding future rates.

Page 1 of 5

# NET PRESENT VALUE ANALYSIS (30 YEARS, 0% AGENCY OVERSIGHT, 7% DISCOUNT RATE) (LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO) NORTH SANITARY LANDFILL DAYTON, OHIO

Cost Type	Year	To	tal Cost		tal Cost er Year	Discount Factor (7%)	Pre	zsent Value
Alternative 2a			O TOE 211	4.2	2,705,311	1.000	\$	22,705,311
Capital Cost	0		22,705,311 24,870,000	\$ 4	829,000	12.409	\$	10,287,095
Annual O&M Cost	1-30		65,000	S	65,000	0.713	-\$	46,344
Periodic Cost (5-Year Review)	5	\$	65,000	<u>.</u>	65,000	0.508	\$	33,043
Periodic Cost (5-Year Review)	. 10	<u>\$</u>		\$	65,000	0.362	5	23,559
Periodic Cost (5-Year Review)	15	\$	65,000	<del>.\$</del>	65,000	0.258	- 5	16,797
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000	0.184	\$	11,976
Periodic Cost (5-Year Review)	25	\$.	65,000	5	520,000	0.131	\$	68,311
Periodic Cost (Decommissioning)	30	\$	520,000	<del>-\$</del> -	130,000	0.131	\$	17,078
Periodic Cost (Remedial Action Report)	30	5	130,000	•	130,000		5	33,209,514
Tellidic Cast (-		\$	48,550,311					
Alternative 2b	0	Ś	24,113,757	\$	24,113,757	1.000	\$	
Capital Cost	1-30	s	32,732,400	\$	1,091,080		\$	
Annual O&M Cost	5	Š	65,000	\$	65,000	0.713	4	
Periodic Cost (5-Year Review)	10	<u> </u>	65,000	\$	65,000	0.508	- 1	
Periodic Cost (5-Year Review)	15	Š	65,000	\$	65,000	0.362		
Periodic Cost (5-Year Review)	20	<u>*</u>	65,000		65,000	0.258		16,797
Periodic Cost (5-Year Review)	25	- š	65,000	_	65,000	0.184		11,976
Periodic Cost (5-Year Review)	30	- š		_	715,000	0.131		\$ 93,927
Periodic Cost (Decommissioning)	30	<del>- \$</del>		_	130,000	0.131	_	\$ 17,078
Periodic Cost (Remedial Action Report)			58,016,157					\$ 37,895,738
		Ψ	00,0-0/					
Alternative 3a		-	17,846,790	1 \$	17,846,790	1.000		\$ 17,846,790
Capital Cost	00		25,104,000	_				\$ 10,383,886
Annual O&M Cost	1-30			_				\$ 46,344
Periodic Cost (5-Year Review)	5							\$ 33,043
Periodic Cost (5-Year Review)	10			_				\$ 23,559
Periodic Cost (5-Year Review)	15			_				\$ 16,797
Periodic Cost (5-Year Review)	20_							\$ 11,976
Periodic Cost (5-Year Review)	25		\$ 65,00		\$ 520,00			\$ 68,311
Partodic Cost (Decommissioning)	30		520,00		s 130,00			\$ 17,078
Periodic Cost (Remedial Action Report)	30		\$ 130,00		3 150,00	<u> </u>	_1	\$ 28,447,784
Paloac Cost (Cost		,	\$ 43,925,79	U			•	
Alternative 3b	0		\$ 19,255,23	36	\$ 19,255,23	6 1,000		\$ 19,255,236
Capital Cost	1-30		\$ 32,966,40		\$ 1,098,88			\$ 13,636,047
Annual O&M Cost	5		\$ 65,00		\$ 65,00	0.713		\$ 46,344
Perlodic Cost (5-Year Review)	10		\$ 65,0	_	\$ 65,0	0.508		\$ 33,043
Periodic Cost (5-Year Review)	15		\$ 65,0	_	\$ 65,0	00 0.362		\$ 23,559
Periodic Cost (5-Year Review)	20		\$ 65,0	_	\$ 65,0	00 0.256	3	\$ 16,797
Periodic Cost (5-Year Review)	25		\$ .65,0	_	\$ 65,0		Ł	\$ 11,976
Periodic Cost (5-Year Review)			\$ 715,0		\$ 715,0		1	\$ 93,927
Periodic Cost (Decommissioning)	30		s 130,0		\$ 130,0		1	\$ 17,078
Periodic Cost (Remedial Action Report)	30		\$ 53,391,6		·			\$ 33,134,008
			יו ביניים בי					

NET PRESENT VALUE ANALYSIS (30 YEARS, 5% AGENCY OVERSIGHT, 2.7% DISCOUNT RATE)
(LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO)
NORTH SANITARY LANDFILL
DAYTON, OHIO

Page 2 of 5

Cost Type	Year	т	otal Cost		otal Cost Per Year	Discount Factor (2.7%)	Pn	esent Value
Alternative 2a	.0	c	24,449,950	g	24,449,950	1,000	\$	24,449,950
Capital Cost	1-30		26,712,750	5	890,425	20,383	\$	18,149,417
Annual O&M Cost	5	5	65,000	Š	65,000	0.875	5	56,893
Periodic Cost (5-Year Review)	10	5	65,000	<u>\$</u>	65,000	0.766	\$	49,798
Periodic Cost (5-Year Review)	15	<u> </u>	65,000	š	65,000	0,671	\$	43,587
Periodic Cost (5-Year Review)	20	5	65,000	5	65,000	0.587	\$	38,151
Periodic Cost (5-Year Review)	25	- <del>-</del> -	65,000	\$	65,000	0.514	\$	33,393
Periodic Cost (5-Year Review)	30	- 5	520,000	Š	520,000	0.450	\$	233,825
Periodic Cost (Decommissioning)	30	5	130,000	Š	130,000	0.450	s	58,456
Periodic Cost (Remedial Action Report)	30		52,137,700	_	130,000		Īs	43,113,469
		3	32,137,700				_	
Alternative 2b		4	25,966,738	\$	25,966,738	1.000	\$	25,966,738
Capital Cost	1-30		35,164,830	Š	1,172,161	20.383	\$	23,892,005
Annual O&M Cost	5	- <del>7</del> S	65,000	š	65,000	0.875	\$	56,893
Periodic Cost (5-Year Review)	10	- \$	65,000	\$	65,000	0.766	\$	49,798
Periodic Cost (5-Year Review)	15	5	65,000	Š	65,000	0.671	\$	43,587
Periodic Cost (5-Year Review)	20	- \$		Š	65,000	0.587	\$	38,151
Periodic Cost (5-Year Review)	25		65,000	Š	65,000	0.514	5	33,393
Periodic Cost (5-Year Review)	30	- <del>3</del>		\$	715,000	0.450	- \$	321,509
Periodic Cost (Decommissioning)	30	_ <del></del>		\$	130,000	0.450	s	58,456
Periodic Cost (Remedial Action Report)			62,301,568	_	130,000		\$	50,460,529
Alternative 3a		•	02,000,000				. –	
	0	s	19,217,697	s	19,217,697	1.000	5	19,217,697
Capital Cost	1-30	<u> </u>		s	898,810	20.383	\$	18,320,327
Annual O&M Cost	5	\$		\$	65,000	0.875	\$	56,893
Periodic Cost (5-Year Review)	10	Š		<u> </u>	65,000	0.766	\$	49,798
Periodic Cost (5-Year Review)	15	\$		5	65,000	0.671	_ <del>-</del> 5	43,587
Periodic Cost (5-Year Review)	20	<del>_</del>		š	65,000	0.587	\$	38,151
Periodic Cost (5-Year Review)	25	S		\$	65,000	0.514	-\$	33,393
Periodic Cost (5-Year Review)	30	S		Š		0.450	5	233,825
Periodic Cost (Decommissioning)	30	<u> </u>		5		0,450	-5	58,456
Periodic Cost (Remedial Action Report)	. 30		47,156,997				\$	38,052,126
		•	11/200/12/				_	
Alternative 3b	0	a	20,734,485	,e	20,734,485	1,000	\$	20,734,485
Capital Cost	1-30		35,416,380	- \$		20,383		24,062,915
Annual O&M Cost	5	<del>1</del>		_			•	56,893
Periodic Cost (5-Year Review)	10	_					-	49,798
Periodic Cost (5-Year Review)	15	_		_				43,587
Periodic Cost (5-Year Review)			65,000					
Periodic Cost (5-Year Review)	20 25	_	65,000					
Periodic Cost (5-Year Review)		_		_				321,509
Periodic Cost (Decommissioning)	30_	_						58,456
Periodic Cost (Remedial Action Report)	30				130,000	0,200	_	45,399,187
<del></del>			57,320,865	,			Ľ	

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## NET PRESENT VALUE ANALYSIS (30 YEARS, 0% AGENCY OVERSIGHT, 7% DISCOUNT RATE) (LEACHATE/GROUNDWATER T&D SCENARIO) NORTH SANITARY LANDFILL DAYTON, OHIO

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Cost Type	Year	7	Total Cost		Cotal Cost Per Year	Discount Factor (7%)	Pri	esent Value
Alternative 2a				_		1 000		DG 1750 P24
Capital Cost	0	\$	20,750,826	_	20,750,826	1.000	-\$	20,750,826
Annual O&M Cost	1-30	8	92,466,060	\$		12.409	\$	38,247,172
Periodic Cost (5-Year Review)	5	\$	65,000	\$	65,000	0.713	\$	46,344 33,043
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000	0.508	<u>\$</u>	
Periodic Cost (5-Year Review)	15	\$	65,000	\$	65,000	0.362	<u>\$</u>	23,559
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000	0.258	\$	16,797
Periodic Cost (5-Year Review)	25	5	65,000	\$	65,000	0.184	\$_	11,976
Periodic Cost (Decommissioning)	30	\$	520,000	\$	520,000	0.131	<u> </u>	68,311
Periodic Cost (Remedial Action Report)	30	\$	130,000	\$	130,000	0.131	5	17,078
•		\$	114,191,886				\$	59,215,105
Alternative 2b							_	
Capital Cost	. 0	\$	21,284,697	_	21,284,697	1.000	_ \$	21,284,697
Annual O&M Cost	1-30	_\$	195,658,170	\$		12,409	\$	80,931,010
Periodic Cost (5-Year Review)	5	\$	65,000	\$	65,000	0.713	_\$	46,344
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000	0.508	5	33,043
Periodic Cost (5-Year Review)	15	\$	65,000	\$	65,000	0,362	\$	23,559
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000	0.258	\$	16,797
Periodic Cost (5-Year Review)	25	3	65,000	\$	65,000	0.184	\$	11,976
Periodic Cost (Decommissioning)	30	\$	715,000	\$	715,000	0.131	\$	93,927
Periodic Cost (Remedial Action Report)	30	\$	130,000	\$	130,000	0.131	\$	17,078
		\$	218,112,867			-	\$	102,458,431
Alternative 3a								
Capital Cost	0	\$	15,892,305	\$	15,892,305	1,000	_\$	15,892,305
Annual O&M Cost	1-30	\$	109,684,710	\$	3,656,157		- \$	45,369,403
Periodic Cost (5-Year Review)	5	\$	65,000	\$	65,000	0.713	\$	46,344
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000	0.508	\$	33,043
Periodic Cost (5-Year Review)	15	\$	65,000	\$	65,000	0.362	\$	23,559
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000	0.258	\$	16,797
Periodic Cost (5-Year Review)	25	\$	65,000	\$	65,000	0.184	_ \$	11,976
Periodic Cost (Decommissioning)	30	S	520,000	5	520,000	0.131	. \$	68,311
Periodic Cost (Remedial Action Report)	30	\$	130,000	\$	130,000	0.131	\$	17,078
		\$	126,552,015				\$	61,478,816
Alternative 3b								
Capital Cost	0	\$	16,426,176	\$	16,426,176	1.000	\$	16,426,176
Annual O&M Cost	1-30	\$	212,876,820	5	7,095,894	12.409	\$	88,053,241
Periodic Cost (5-Year Review)	. 5	\$	65,000	\$	65,000	0.719	. \$	
Periodic Cost (5-Year Review)	10	\$	65,000	\$		0.508	\$	
Periodic Cost (5-Year Review)	15	\$	65,000	\$		0.362	\$	
Periodic Cost (5-Year Review)	20	\$	65,000	S	65,000	0.258	- \$	
Periodic Cost (5-Year Review)	25	\$	65,000	\$	65,000	0,184	\$	
Periodic Cost (Decommissioning)	30	\$	715,000	\$	715,000	0.131	_ \$	
Periodic Cost (Remedial Action Report)	30	\$	130,000	5	130,000	0.131	S	
		5	230,472,996				\$	104,722,141

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## NET PRESENT VALUE ANALYSIS (30 YEARS, 9% AGENCY OVERSIGHT, 2.7% DISCOUNT RATE) (LEACHATE/GROUNDWATER T&D SCENARIO) NORTH SANITARY LANDFILL DAYTON, OHIO

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Cost Type	Year	2	Fotal Cost		otal Cost Per Year	Discount Factor (2,7%)	Pr	esent Value
Alternative 2a		_	60.04F 400		00 045 100	1.000	\$	22,345,120
Capital Cost	0	<u> </u>	22,345,120	_	22,345,120	20.383	<u>\$</u>	67,520,640
Annual O&M Cost	1-30	\$	99,378,510	\$	3,312,617	0.875	_ <del></del>	56,893
Periodic Cost (5-Year Review)	5	\$	65,000	\$	65,000	0.875	- <del>3</del>	49,798
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000	0.671	- \$	43,587
Periodic Cost (5-Year Review)	15	\$	65,000	\$	65,000	0.587	- 5	38,151
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000			33,393
Periodic Cost (5-Year Review)	25	\$	65,000	\$	65,000	0.514	. \$	233,825
Periodic Cost (Decommissioning)	30	\$	520,000	\$	520,000	0.450	. \$	58,456
Periodic Cost (Remedial Action Report)	30	\$	130,000	\$	130,000	0.450	\ <del>\$</del>	90,579,862
		\$	122,698,630				13	90,379,002
Alternative 2b		٠					_	
Capital Cost	0	\$	22,920,058	_	22,920,058	1.000	<u>\$</u>	22,920,058
Annual O&M Cost	1-30	_\$	210,310,050	\$		20.383	- \$	142,890,744
Periodic Cost (5-Year Review)	5	\$	65,000	_\$	65,000	0.875	\$	56,893
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000	0.766	\$	49,798
Periodic Cost (5-Year Review)	15	\$	65,000	\$	65,000	0.671	\$	43,587
Periodic Cost (5-Year Review)	20	\$	· 65,000	\$	65,000	0.587	5	38,151
Periodic Cost (5-Year Review)	25	\$	65,000	5	65,000	0.514	\$	33,393
Periodic Cost (Decommissioning)	30	\$	715,080	\$	715,000	0,450	\$	321,509
Periodic Cost (Remedial Action Report)	30	\$	130,000	5	130,000	0.450	\$	58,456
		\$	234,400,108				\$	166,412,588
Alternative 3a		•						
Capital Cost	0	\$	17,112,867	\$	17,112,867	1.000	\$	17,112,867
Annual O&M Cost	1-30	\$	117,888,570	\$	3,929,619	20.383	<u> </u>	80,096,911
Periodic Cost (5-Year Review)	5	\$	65,000	\$	65,000	0.875	\$	56,893
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000	0.766	- 5	49,798
Periodic Cost (5-Year Review)	15	\$	65,000	\$	65,000	0.671	\$	43,587
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000	0.587		38,151
Periodic Cost (5-Year Review)	25	\$	65,000	\$	65,000	0.514	\$	33,393
Periodic Cost (Decommissioning)	30	5	·520,000	5	520,000	0.450	\$	233,825
Periodic Cost (Remedial Action Report)	30	5	130,000	\$	130,000	0.450	\$	58,456
		\$	135,976,437				\$.	97,723,881
Alternative 3b							_	
Capital Cost	0	\$	17,687,805	\$	17,687,805	1,000	\$	17,687,805
Annual O&M Cost	1-30	\$	228,620,080	\$	7,627,336	20,383	\$	155,466,995
Periodic Cost (5-Year Review)	5	\$	65,000	\$	65,000	0.875	<u> </u>	56,893
Periodic Cost (5-Year Review)	10	\$	65,000	\$	65,000		- \$	49,798
Periodic Cost (5-Year Review)	15	5	65,000	\$	65,000		\$	43,587
Periodic Cost (5-Year Review)	20	\$	65,000	\$	65,000	0.587	\$	38,151
Periodic Cost (5-Year Review)	25	\$	65,000	5	65,000	0.514	\$	33,393
Periodic Cost (Decommissioning)	30	\$	715,000	\$	715,000	0.450	\$	321,509
Periodic Cost (Remedial Action Report)	30	-\$	130,000	\$	130,000	0.450	\$	58,456
		\$	247,677,885				\$	173,756,586

CRA NPV Calculation

SUMMARY OF ESTIMATED CAPITAL, ANNUAL OM, AND FERIODIC COSTS (LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO, 0% AGENCY OVERSIGHT) NORTH SANITARY LANDFUL DAYTON, OBIO

	Alternative No.:	24	26	3n	3b
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap	Alternate SW Caj
	Groundwater:	Monitoring	Extraction	Monitoring	Extraction
Environmental Media	Process Options			<u> </u>	
APITAL COSTS				Au Fort 600	\$1,537,080
Vaste and	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080 \$25,000	\$25,000
OPBWA Soil	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,650	\$7,650
	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$2,000	\$2,000
	OPBWA Post-Excavation Sampling	\$2,000	\$2,000 \$9,840,217	\$6,645,923	\$6,645,923
	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217	\$250,000	\$250,000	\$250,000
	Stormwater Management Facilities	\$250,000	\$180,750	\$180,750	\$180,750
	Valleycrest Drive Re-Opening	\$180,750 \$25,000	\$25,000	\$25,000	\$25,000
VAPL	Recovery Systems at NSL-54L and NSL-55L	\$794,750	\$794,750	\$794,750	\$794,750
Leachate	Extraction System	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
	Pretreatment System	\$35,000	\$35,000	\$35,000	\$35,000
	Sanitary Sewer Tie-In and Capacity Sensor	\$764,000	\$764,000	\$764,000	\$764,000
andfill Gas	Collection and Monitoring System	not included	not included	not included	not included
	Energy Recovery Devices Monitoring Network Expansion	\$150,000	\$150,000	\$150,000	\$150,000
Groundwater	Extraction System	not included	\$276,000	not included	\$276,000
	Pretreatment System (incremental to leachate)	not included	\$650,000	not included	\$650,000
	Subtotal Capital Cost	\$14,911,447	\$15,837,447	\$11,717,153	\$12,643,153
	Contingency (30%):	\$4,473,434	\$4,751,234	\$3,515,146	\$3,792,946
	Subtotal:	519,384,881	\$20,588,681	\$15,232,299	\$16,436,099
	onal/Technical Services - Project Management (5%):	\$969,244	\$1,029,434	<b>\$761</b> ,615	\$821,805
Professi	onal/ recurrent services - Project Management (6%).	\$1,163,093	\$1,235,321	\$913,938	\$986,166
Profe	essional/Technical Services - Remedial Design (6%):	\$1,163,093	\$1,235,321	\$913,938	\$986,166
Professional/	Technical Services - Construction Management (6%):	\$25,000	\$25,000	\$25,000	\$25,000
		322,000	المامارسيي		640 PHP 534
ANNIIAL OSM C	Can	\$22,705,311 \$25,000	\$24,113,757 \$25,000	\$17,846,790	\$19,255,236 \$25,000 \$25,000
ANNUAL OSM C Waste	Total Capital Cost:  OSTS  Cap  Shormwater Management Facilities	\$22,705,311		\$25,000 \$25,000 \$5,000	\$25,000 \$25,000 \$5,000
ANNIIAL OSM C Waste NAPL	Total Capital Cost:  OSTS  (Cap Stormwater Management Facilities  Monitoring/Removal	\$22,705,311 \$25,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000
ANNUAL OSM C Waste	Total Capital Cost:  OSTS  (Cap Stormwater Management Facilities Monitoring / Removal Extraction System	\$22,705,311 \$25,000 \$25,000 \$5,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000	\$25,000 \$25,000 \$50,000 \$50,000 \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000
ANNIIAL OSM C Waste NAPL	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Extraction System Protreatment System	\$22,705,311 \$25,000 \$25,000 \$5,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000
ANNUAL OSM C Waste NAPL Ceachate	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Prefreatment System Off-Site Disposal	\$22,705,311 \$25,000 \$25,000 \$5,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000
ANNIIAL OSM C Waste NAPL	Total Capital Cost  OSTS  Cap Shormwater Management Facilities  Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring	\$22,705,311 \$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  (Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring	\$22,705,311 \$25,000 \$25,000 \$5,000 \$50,000 \$35,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000
ANNUAL OSM C Waste NAPL Ceachate	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Batraction System Batraction System	\$22,705,311 \$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$35,000 \$50,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$50,000 \$75,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Fretreatment System Off-Site Disposal Collection and Plaring Monitoring Extraction System Fretreatment System (incremental to leachate)	\$22,705,311  \$25,000  \$25,000  \$5,000  \$50,000  \$35,000  \$50,000  \$05,000  \$05,000  \$05,000  \$05,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 not included not included	\$25,000 \$25,000 \$5,000 \$60,000 \$150,000 \$40,000 \$25,000 \$25,000 \$75,000 \$43,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Prefreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Prefreatment System Off-Site Disposal Collection for Flaring Monitoring Extraction System Off-Site Disposal	\$22,705,311  \$25,000  \$25,000  \$5,000  \$150,000  \$35,000  \$25,000  \$00,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$50,000 \$25,000 not included not included not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$43,000 \$43,000 \$150,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (incremental to leachate) Off-Site Disposal Off-Site Disposal Monitoring	\$22,705,311  \$25,000  \$25,000  \$5,000  \$5,000  \$150,000  \$35,000  \$25,000  not included  not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not hacluded \$150,000 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$43,000 \$43,000 \$43,000 \$43,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Prefreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Prefreatment System Off-Site Disposal Collection for Flaring Monitoring Extraction System Off-Site Disposal	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$35,000 \$35,000 \$0,000 \$0,000  and included not included \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$43,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Off-Site Disposal Collection and Flaring Mordioring Extraction System Pretreatment System (Incremental to leachate) Off-Site Disposal Monitoring Subtotal Annual O&M Cost	\$22,705,311  \$25,000 \$25,000 \$5,000 \$50,000 \$35,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000	\$25,000 \$25,000 \$50,000 \$150,000 \$150,000 \$40,000 \$50,000 rot included not included not included \$150,000 \$10,000 \$530,000 \$159,000	\$25,000 \$25,000 \$5,000 \$50,000 \$40,000 \$40,000 \$25,000 \$75,000 \$75,000 \$43,000 \$150,000 \$43,000 \$10,000 \$698,000
ANNIIAL OSM C Waste NAPL Ceachate Landfill Gas	Total Capital Cost  OSTS  Cap Shormwater Management Facilities Monitoring/Removal Extraction System Fretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Fretreatment System (incremental to leachate) Off-Site Disposal Monitoring	\$22,705,311  \$25,000  \$25,000  \$5,000  \$50,000  \$150,000  \$35,000  \$25,000  not included  not included  \$150,000  \$150,000  \$150,000  \$150,000  \$150,000  \$25,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$10,000 \$693,000	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$40,000 \$55,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000 \$498,000 \$498,000 \$498,000 \$498,000
ANNUAL OSM C Waste NAPL Ceachate Landfili Gas Groundwater	Total Capital Cost  OSTS  Cap Stormwaler Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Monitori	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$55,000 \$35,000 \$55,000 \$000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$157,500 \$482,500	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$75,000 \$75,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000	\$25,000 \$25,000 \$50,000 \$150,000 \$150,000 \$40,000 \$50,000 rot included not included not included \$150,000 \$10,000 \$530,000 \$159,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$75,000 \$43,000 \$150,000 \$49,000 \$49,000 \$49,000 \$49,000 \$49,000 \$49,000 \$49,000 \$49,000
ANNITAL OSM C Waste NAPL Ceachate Landfill Gas Groundwater	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Batraction System (incremental to leachate) Off-Site Disposal Monitoring Well Maintenance Contingency (30%): Subtotal Subtotal Subtotal Subtotal Consi/Technical Services - Project Management (5%):	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$35,000 \$35,000 \$0,000 \$150,000 \$25,000 not included not included not included \$150,000 \$10,000 \$42,500 \$17,500 \$42,500 \$34,125	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$25,000 \$75,000 \$75,000 \$10,000 \$10,000 \$10,000 \$20,000 \$10,000	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$40,000 \$55,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000 \$29,400 \$299,400 \$43,200 \$209,400
ANNITAL OSM C Waste NAPL Ceachate Landfill Gas Groundwater	Cap Shormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Batraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Ional/Technical Services - Project Management (5%): (Technical Services - O&M Technical Support (15%):	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$110,000 \$150,000 \$157,500 \$482,500 \$34,125 \$10,375	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$42,000 \$10,000 \$43,000 \$43,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$30,000 \$330,000 \$34,450	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$75,000 \$43,000 \$150,000 \$150,000 \$43,000 \$10,000 \$45,000 \$10,000 \$45,000 \$10,000
ANNITAL OSM C Waste NAPL Ceachate Landfill Gas Groundwater	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Batraction System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Costal Cos	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$35,000 \$35,000 \$0,000 \$150,000 \$25,000 not included not included not included \$150,000 \$10,000 \$42,500 \$17,500 \$42,500 \$34,125	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$207,900 \$43,000 \$207,900 \$45,045 \$45,045 \$45,045	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$25,000 not included not included not included \$150,000 \$10,000 \$489,000 \$489,000 \$34,450 \$103,500	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000 \$29,400 \$299,400 \$43,200 \$209,400
ANNUAL OSM C Waste NAPL Leachate Landfili Gas Groundwater Professional	Total Capital Cost  OSTS  Cap Stormwaler Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring February (30%): Subtotal Contingency (30%): Subtotal Contingency (30%): Frethnical Services - Project Management (5%): (Technical Services - O&M Technical Support (15%): Irratitutional Controls: Total Annual O&M Cost	\$22,705,311  \$25,000 \$25,000 \$50,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included \$150,000 \$10,000 \$40,000 \$35,000 \$40,000 \$40,000 \$40,000 \$50,000 \$10,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$10,000 \$43,000 \$10,000 \$45,045 \$135,135 \$10,000 \$10,000 \$10,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$25,000 not included not included not included \$150,000 \$159,000 \$489,000 \$489,000 \$489,000 \$489,000 \$489,000 \$489,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$10,000 \$49,400 \$297,400 \$45,370 \$150,000 \$1,000 \$45,370 \$10,000 \$1,000 \$1,000
ANNIIAL OSM C Waste NAPL Leachate Landfili Gas Groundwater  Professional, Professional,	Total Capital Cost  OSTS  (Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Institutional Services - Project Management (5%): Irratitutional Controls: Total Annual O&M Cost Total Annual O&M Cost	\$22,705,311  \$25,000 \$5,000 \$5,000 \$5,000 \$50,000 \$35,000 \$50,000 \$25,000 not included not included not included \$150,000 \$150,000 \$40,000 \$42,500 \$157,500 \$482,500 \$484,125 \$102,375 \$10,000 \$829,000	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000 \$10,000 \$43,000 \$10,000 \$45,045 \$133,135 \$133,135	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$10,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000	\$25,000 \$25,000 \$50,000 \$50,000 \$40,000 \$50,000 \$50,000 \$50,000 \$75,000 \$43,000 \$150,000 \$10,000 \$43,000 \$10,000 \$45,370 \$45,370 \$45,370 \$45,370 \$150,000
ANNUAL OSM C Waste NAPL Leachate Landfill Gas Groundwater  Professional	Total Capital Costs  OSTS  (Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Mordoring Extraction System Pretreatment System (Incremental to leachate) Off-Site Disposal Monitoring Extraction System Coff-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: (Technical Services - Project Management (5%): Iristitutional Controls: Total Annual O&M Cost St  Extraction/Pretreatment System Decommissioning	\$22,705,311  \$25,000 \$5,000 \$5,000 \$5,000 \$50,000 \$35,000 \$50,000 \$25,000 not included not included not included \$150,000 \$150,000 \$40,000 \$42,500 \$157,500 \$482,500 \$484,125 \$102,375 \$10,000 \$829,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$10,000 \$43,000 \$10,000 \$45,045 \$135,135 \$10,000 \$10,000 \$10,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$55,000 \$25,000 not included not included not included \$150,000 \$30,000 \$44,850 \$103,350 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$75,000 \$10,000 \$498,000 \$150,000 \$498,000 \$10,000 \$498,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000
ANNIIAL OSM C Waste NAPL Leachate Landfili Gas Groundwater  Professional, Professional,	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Ional/Technical Services - Project Management (5%): Treithitional Controls: Treithitional Controls: Total Annual O&M Cost St  Extraction/Pretreatment System Decommissioning Collection System Decommissioning	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$5,000 \$5,000 \$5,000 \$5,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$157,500 \$482,500 \$34,125 \$102,375 \$10,000 \$329,000	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$35,000 \$50,000 \$25,000 \$75,000 \$150,000 \$150,000 \$207,900 \$43,000 \$10,000 \$45,045 \$150,000 \$45,045 \$150,000 \$45,045 \$150,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$10,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000 \$103,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$75,000 \$150,000 \$10,000 \$698,000 \$43,70 \$150,000 \$150,000 \$150,000 \$1,096,880
ANNUAL OSM C Waste NAPL Leachate Landfili Gas Groundwater Professional, PERIODIC COST. Leachate Landfill Gas	Cap Stormwaler Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Institutional Contross: Total Annual O&M Cost Total Annual O&M Cost  State  Extraction/Pretreatment System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$35,000 \$35,000 \$35,000 \$0,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$10,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$75,000 \$75,000 \$43,000 \$10,000 \$45,040 \$10,000 \$45,045 \$130,000 \$45,045 \$130,000 \$10,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$55,000 \$25,000 not included not included not included \$150,000 \$30,000 \$44,850 \$103,350 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$75,000 \$10,000 \$498,000 \$150,000 \$498,000 \$10,000 \$498,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000
ANNUAL OSM C Waste NAPL Leachate Landfill Gas Groundwater  Professional	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Ional/Technical Services - Project Management (5%): Irustitutional Controls: Total Annual O&M Cost St  Extraction/Pretreatment System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Extraction System Decommissioning	\$22,705,311  \$25,000 \$25,000 \$50,000 \$50,000 \$50,000 \$35,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000 \$325,000 \$157,500 \$422,500 \$34,125 \$100,000 \$34,125 \$100,000 \$350,000 \$100,000 \$100,000	\$25,000 \$25,000 \$5,000 \$50,000 \$350,000 \$35,000 \$50,000 \$50,000 \$75,000 \$43,000 \$10,000 \$10,000 \$10,000 \$135,135 \$10,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$25,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$44,450 \$10,000 \$48,400 \$150,000 \$10,000 \$48,400	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$75,000 \$150,000 \$10,000 \$698,000 \$43,70 \$150,000 \$150,000 \$150,000 \$1,096,880
ANNUAL OSM C Waste NAPL Leachate Landfili Gas Groundwater Professional, PERIODIC COST. Leachate Landfill Gas	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Mordoring Extraction System Pretreatment System (Incremental to leachate) Off-Site Disposal Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Irestitutional Controls: Total Annual O&M Cost States of the	\$22,705,311  \$25,000 \$25,000 \$50,000 \$50,000 \$150,000 \$35,000 \$35,000 \$35,000 \$35,000 \$10,000 \$10,000 \$10,000 \$35,000 \$34,125 \$10,275 \$10,000 \$10,000 \$325,000 \$10,000 \$325,000 \$34,125 \$10,000 \$34,125 \$100,000 \$350,000 \$100,000 \$350,000 \$350,000 \$350,000 \$350,000	\$25,000 \$25,000 \$5,000 \$50,000 \$35,000 \$35,000 \$50,000 \$25,000 \$75,000 \$150,000 \$10,000 \$207,900 \$45,045 \$135,135 \$10,000 \$1,091 \$100,000 \$100,000 \$100,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$25,000 not included not included not included \$150,000 \$10,000 \$30,000 \$10,000 \$44,450 \$10,000 \$310,000 \$310,000 \$310,000 \$310,000 \$310,000 \$310,000 \$310,000 \$310,000 \$310,000 \$310,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$150,000 \$10,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000 \$1,000
ANNUAL OSM C Waste NAPL Leachate Landfili Gas Groundwater Professional, PERIODIC COST. Leachate Landfill Gas	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Institutional Controls: Total Annual O&M Cost Institutional Controls: Total Annual O&M Cost Struction System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Subtotal Decommissioning Cost	\$22,705,311  \$25,000 \$25,000 \$50,000 \$50,000 \$50,000 \$550,000 \$35,000 \$25,000 not included not included s150,000 \$150,000 \$157,500 \$482,500 \$34,125 \$102,375 \$10,000 \$39,000 \$10,000 \$30,000 \$10,000 \$30,000 \$30,000 \$30,000	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$10,000 \$45,045 \$135,135 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$100,000 \$100,000	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$40,000 \$25,000 not included not included not included \$150,000 \$100,000 \$44,450 \$10,000 \$44,450 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$400,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$25,000 \$43,000 \$43,000 \$10,000 \$43,000 \$10,000 \$45,370 \$45,370 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$100,000
ANNUAL OSM C Waste NAPL Leachate Landfili Gas Groundwater Professional, PERIODIC COST. Leachate Landfill Gas	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Freheatment System (incremental to leachate) Contingency (30%): Subtotal: Contingency (30%): Subtotal: Institutional Controls: Total Annual O&M Cost Total Annual O&M Cost St  Extraction/Pretreatment System Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Cost	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$5,000 \$35,000 \$35,000 \$0,000 \$150,000 \$150,000 \$10,000 \$150,000 \$157,500 \$482,500 \$34,125 \$10,000 \$34,125 \$10,000 \$35,000 \$10,000 \$35,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$75,000 \$75,000 \$43,000 \$10,000 \$45,045 \$130,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$150,000	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$150,000 \$25,000 \$150,000 \$25,000 not included not included \$150,000 \$159,000 \$34,450 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000 \$34,450 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$43,000 \$150,000 \$498,000 \$299,400 \$407,400 \$458,370 \$10,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000
ANNUAL OSM C Waste NAPL Leachate Landfili Gas Groundwater Professional, PERIODIC COST. Leachate Landfill Gas	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Institutional Controls: Total Annual O&M Cost Institutional Controls: Total Annual O&M Cost Struction System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Subtotal Decommissioning Cost	\$22,705,311  \$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$5,000 \$35,000 \$35,000 \$0,000 \$150,000 \$150,000 \$10,000 \$150,000 \$157,500 \$482,500 \$34,125 \$10,000 \$34,125 \$10,000 \$35,000 \$10,000 \$35,000	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$10,000 \$45,045 \$135,135 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$100,000 \$100,000	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$40,000 \$25,000 not included not included not included \$150,000 \$100,000 \$44,450 \$10,000 \$44,450 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$400,000	\$25,000 \$25,000 \$50,000 \$50,000 \$150,000 \$40,000 \$250,000 \$75,000 \$75,000 \$150,000 \$698,000 \$43,000 \$150,000 \$698,000 \$150,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$100,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000

Notes

<sup>&</sup>lt;sup>1</sup>Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.

SUMMARY OF ESTIMATED CAPITAL, ANNUAL OM, AND PERIODIC COSTS (LEACHATE/GROUNDWATER SANITARY SEWER DISPOSAL SCENARIO, 9% AGENCY OVERSIGHT) NORTH SANITARY LANDFILL DAYTON, ORIO

Page 2 of 4

	Alternative No.:	2a	2b	3a	Alternate SW Car
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap Monitoring	Extraction
	Groundwater:	Monitoring	Extraction	Monitoring	LALIALION
Espirosunental Media	Process Options	i			
Menta	Trocks Opion				
APITAL COSTS				\$1,537,080	\$1,537,080
Waste and	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$25,000	\$25,000
DPBWA Soll	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000 \$7,650	\$7,650	\$7,650
	OPBWA Weste and Soil Consolidation	\$7,650	\$2,000	\$2,000	\$2,000
	OPBWA Post-Excavation Sampling	\$2,000	\$9,840,217	\$6,645,923	\$6,645,923
	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217 \$250,000	\$250,000	\$250,000	\$250,000
	Stormwater Management Facilities	\$180,750	\$180,750	\$180,750	\$180,750
	Valleycrest Drive Re-Opening	\$25,000	525,000	\$25,000	\$25,000
NAPL	Recovery Systems at NSL-54L and NSL-55L	\$794,750	\$794,750	\$794,750	\$794,750
eachate	Extraction System	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
	Pretreatment System	\$35,000	\$35,000	\$35,000	\$35,000
	Sanitary Sewer Tie-In and Capacity Sensor	\$764,000	\$764,000	\$764,000	\$764,000
andfill Gas	Collection and Monitoring System	not included	not included	not included	not included
	Energy Recovery Devices	\$150,000	\$150,000	\$150,000	\$150,000
Groundwater	Monitoring Network Expansion  Extraction System	not included	\$276,000	not included	\$276,000
	Pretreatment System (incremental to leachate)	not included	\$650,000	not included	\$650,000
	Subtotal Capital Cost	\$14,911,447	\$15,837,447	\$11,717,153	\$12,643,153
•	Contingency (30%):	\$4,473,434	\$4,751,234	\$3,515,146	\$3,792,946
	Subtotal:	\$19,384,881	\$20,588,681	\$15,232,299	\$16,436,099
_		\$969.244	\$1,029,434	\$761,615	\$821,805
Professi	ional/Technical Services - Project Management (5%):		\$1,235,321	\$913,938	\$986,166
Prof	essional/Technical Services - Remedial Design (6%):	\$1,163,093	\$1,235,321	\$913,938	\$986,166
Professional/	Technical Services - Construction Management (6%):	\$1,163,093	\$1,230,321	4910/300	450,000
			407.000		\$25,000
	Institutional Controls:	\$25,000	\$25,000	\$25,000	
	EQUIDATION CO				
ANNUI 221 (1634)	Total Capital Cost:	\$24,449,950	\$25,966,738	\$19,217,6 <del>9</del> 7	\$20,734,485
	Total Capital Cost	\$25,000	\$25,966,738 \$25,000 \$25,000	\$25,000 \$25,000	\$25,000 \$25,000
Waste	Total Capital Cost:  COSTS  Cap  Stormwater Management Facilities	<u> </u>	\$25,000	\$25,000 \$25,000 \$5,000	\$25,000 \$25,000 \$5,000
Waste NAPL	Total Capital Cost: Costs Cap Stormwater Management Facilities Monitoring/Removal	\$25,000 \$25,000 \$5,000	\$25,000 \$25,000	\$25,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000
Waste NAPL	Total Capital Cost: CSTS Cap Stormwater Management Facilities Monitoring / Removal Extraction System	\$25,000 \$25,000	\$25,000 \$25,000 \$5,000	\$25,000 \$25,000 \$5,000 \$50,000 \$159,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000
Waste NAPL	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring / Removal Extraction System Pretreatment System	\$25,000 \$25,000 \$5,000 \$5,000	\$25,000 \$25,000 \$5,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000	\$25,000 \$25,000 \$5,000 \$60,000 \$150,000
Waste NAPL Leachate	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring / Removal Batraction System Pretreatment System Off-Site Disposal	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$159,000	\$25,000 \$25,000 \$50,000 \$60,000 \$150,000 \$40,000
Waste NAPL Leachate	Total Capital Cost: COSTS CCap Stormwater Management Facilities Monitoring/Removal Batraction System Pretreatment System Off-Site Disposal Collection and Elaring	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000	\$25,000 \$25,000 \$5,000 \$60,000 \$150,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost: COSTS COSTS Cop Shormwater Management Facilities Monitoring/Removal Batraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000	\$25,000 \$25,000 \$55,000 \$50,000 \$150,000 \$40,000
Waste NAPL Leachate Leachfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 not included	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$50,000	\$25,000 \$25,000 \$5,000 \$30,000 \$159,000 \$40,000 \$50,000 \$25,000 not included	\$25,000 \$25,000 \$5,000 \$60,000 \$150,000 \$40,000 \$25,000 \$50,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  Cap Sumwater Management Facilities Monitoring / Removal Extraction System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$50,000 \$475,000	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$25,000 solution included not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring / Removal Batraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System Fretreatment System Off-Site Disposal	\$25,000 \$25,000 \$5,000 \$50,000 \$350,000 \$35,000 \$25,000 not included not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$50,000 \$75,000 \$43,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$55,000 \$25,000 not included not included	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$55,000 \$55,000 \$75,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring	\$25,000 \$25,000 \$5,000 \$50,000 \$35,000 \$35,000 \$25,000 not included not included not included	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$55,000 \$25,000 not included not included not included	\$25,000 \$25,000 \$5,000 \$60,000 \$150,000 \$40,000 \$25,000 \$50,000 \$75,000 \$43,060
Waste NAPL Leachate Leachfill Gas	Total Capital Cost:  CSTS  Cap Sumwater Management Facilities Monitoring/Removal Extraction System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$115,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 not included not included \$150,000 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$55,000 \$55,000 \$43,000 \$43,000 \$150,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring / Removal Estraction System Pretreatment System Coff-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$150,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$25,000 \$43,000 \$150,000 \$150,000 \$150,000 \$693,000	\$25,000 \$25,000 \$5,000 \$50,000 \$159,000 \$40,000 \$25,000 not included not included \$150,000 \$10,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$55,000 \$150,000 \$150,000 \$43,000 \$150,000 \$150,000
Waste NAPL Leachate Leachfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%):	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$25,000 and Included not included not included \$150,000 \$10,000 \$525,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$55,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$693,000 \$693,000 \$207,900	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$40,000 \$55,000 s25,000 not included not included not included \$150,000 \$10,000 \$530,000	\$25,000 \$25,000 \$50,000 \$50,000 \$150,000 \$40,000 \$25,000 \$75,000 \$150,000 \$150,000 \$43,000 \$150,000 \$43,000 \$150,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring / Removal Estraction System Pretreatment System Coff-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost	\$25,000 \$25,000 \$5,000 \$50,000 \$35,000 \$35,000 \$25,000 not Included not included not included \$150,000 \$10,000 \$25,000	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$689,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$25,000 \$50,000 \$75,000 \$43,000 \$150,000 \$10,000 \$698,000 \$209,400
Waste  NAPL  Ceachate  Candfill Gas  Groundwater	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Batraction System Pretreatment System Coffsite Disposal Collection and Flaring Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Mo	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$25,000 and Included not included not included \$150,000 \$10,000 \$525,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$75,000 \$43,000 \$115,000 \$693,000 \$207,900 \$900,900	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 825,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$34,450	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$150,000 \$25,000 \$50,000 \$75,000 \$43,000 \$150,000 \$698,000 \$698,000 \$49,400 \$907,400
Waste  NAPL  Leachate  Landfill Gas  Groundwater  Profess	Total Capital Cost:  Cap Sucrawater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Subtotal Subtotal Subtotal Subtotal Subtotal Subtotal Side Disposal Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal	\$25,000 \$25,000 \$5,000 \$50,000 \$35,000 \$35,000 \$25,000 not Included not included not included \$150,000 \$10,000 \$25,000	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$689,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$55,000 \$43,000 \$150,000 \$150,000 \$150,000 \$43,000 \$43,000 \$43,000 \$44,000 \$44,000 \$45,000 \$150,000
Waste  NAFL Leachate  Landfill Gas  Groundwater  Profess	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Batraction System Pretreatment System Coffsite Disposal Collection and Flaring Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Mo	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000 \$525,000 \$157,500 \$682,500 \$34,125	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$75,000 \$43,000 \$115,000 \$693,000 \$207,900 \$900,900	\$25,000 \$25,000 \$50,000 \$159,000 \$40,000 \$25,000 \$25,000 not included not included included \$150,000 \$10,000 \$310,000 \$310,000 \$34,450 \$103,350	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$25,000 \$75,000 \$150,000 \$150,000 \$10,000 \$698,000 \$43,000 \$10,000 \$45,000 \$10
Waste  NAFL Leachate  Landfill Gas  Groundwater  Profess	Total Capital Cost:  Cap Sucmwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subiotal Annual O&M Cost Contingency (30%): Subiotal: Subiotal-Included Services - Project Management (5%): /Technical Services - O&M Technical Support (15%):	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$157,500 \$682,500 \$34,125 \$102,375	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$50,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$44,450 \$103,350	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$150,000 \$10,000 \$698,000 \$698,000 \$45,370 \$136,110
ANNUAL OSM C Waste  NAPL Leachate  Landfill Gas  Groundwater  Professional	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Batraction System Pretreatment System Coff-Site Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Mo	\$25,000 \$5,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000 \$525,000 \$157,500 \$682,500 \$34,125 \$102,375	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$55,000 \$50,000 \$25,000 \$50,000 \$75,000 \$150,000 \$150,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$50,000 \$159,000 \$40,000 \$25,000 \$25,000 not included not included included \$150,000 \$10,000 \$310,000 \$310,000 \$34,450 \$103,350	\$25,000 \$25,000 \$5,000 \$50,000 \$40,000 \$40,000 \$50,000 \$25,000 \$75,000 \$150,000 \$150,000 \$150,000 \$43,000 \$40,
Waste  NAPL  Leachaite  Landfill Gas  Groundwater  Profess	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Well Maintenance Subtotal Annual O&M Cost Contingeacy (30%): Subtotal: ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%):	\$25,000 \$25,000 \$5,000 \$5,000 \$35,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000 \$25,000 \$10,900 \$34,125 \$10,200 \$34,125 \$10,200	\$25,000 \$5,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$44,450 \$103,350	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$150,000 \$10,000 \$698,000 \$698,000 \$45,370 \$136,110
Waste  NAPL  Leachate  Landfill Gas  Groundwater  Professional	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Estraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:	\$25,000 \$25,000 \$5,000 \$5,000 \$35,000 \$35,000 \$25,000 not included not included not included \$150,000 \$10,000 \$25,000 \$10,900 \$34,125 \$10,200 \$34,125 \$10,200	\$25,000 \$5,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$44,450 \$103,350	\$25,000 \$25,000 \$50,000 \$50,000 \$40,000 \$40,000 \$50,000 \$55,000 \$75,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000
Waste  NAPL  Leachate  Landfill Gas  Groundwater  Professional  PERIODIC COST	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subictal Annual O&M Cost: Contingency (30%): Subbatal: ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:	\$25,000 \$5,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 and included not included not included \$150,000 \$157,500 \$62,500 \$34,125 \$102,375	\$25,000 \$5,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$159,000 \$44,450 \$103,350	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$55,000 \$150,000 \$15
NAPL Leachate Landfill Gas Groundwater  Profess Professional	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Retraction System Pretreatment System Off-Site Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal: Institutional Controls: Total Annual O&M Cost: Total Annual O&M Cost: S' Institutional Controls: Total Annual O&M Cost:	\$25,000 \$25,000 \$5,000 \$5,000 \$35,000 \$35,000 \$25,000 not included not included not included si50,000 \$10,000 \$25,000 \$10,000 \$10,200 \$10,200 \$34,125 \$10,275	\$25,000 \$5,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 \$75,000 \$43,000 \$10,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$159,000 \$40,000 \$25,000 not included not included \$150,000 \$10,000 \$350,000 \$159,000 \$689,000 \$34,450 \$10,035 \$10,000 \$589,000	\$25,000 \$25,000 \$5,000 \$50,000 \$40,000 \$40,000 \$50,000 \$55,000 \$75,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$10,000 \$45,370 \$136,000 \$10,000 \$45,370 \$136,000
NAPL Leachate Landfill Gas Groundwater  Profess Professional	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Coffsite Disposal Collection and Flaring Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Institutional Controls: Total Annual O&M Cost: Total Controls: Total Annual O&M Cost: Total Controls: Total Annual O&M Cost: Total Controls: Total Controls: Total Annual O&M Cost: Total Controls:	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$25,000 \$25,000 not included not included not included si50,000 \$10,000 \$525,000 \$107,000 \$40,255 \$100,275	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$35,000 \$25,000 \$43,000 \$150,000 \$43,000 \$10,000 \$43,000 \$1,172,161	\$25,000 \$25,000 \$5,000 \$159,000 \$40,000 \$25,000 not included not included not included \$150,000 \$159,000 \$530,000 \$159,000 \$530,000 \$530,000 \$54,450 \$10,000 \$598,610	\$25,000 \$25,000 \$50,000 \$150,000 \$40,000 \$40,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$150,000 \$43,000 \$10,000 \$459,000 \$459,000 \$459,000 \$45,370 \$136,110 \$10,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000
Waste  NAPL  Ceachate  Landfill Gas  Croundwater  Profess  Professional  PERIODIC COST  Leachate	Costs  Cap Sumwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost: Collection System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$157,500 \$682,500 \$34,125 \$10,307 \$40,307 \$40,000 \$40,000 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$25,000 not included not included not included \$150,000 \$10,000 \$589,000 \$689,000 \$54,450 \$10,350 \$10,000 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000	\$25,400 \$25,000 \$50,000 \$150,000 \$150,000 \$40,000 \$50,000 \$50,000 \$55,000 \$150,000 \$150,000 \$43,000 \$43,000 \$43,000 \$43,000 \$150,000 \$45,370 \$150,000 \$45,370 \$136,110
Waste  NAPL  Leachate  Landfill Gas  Groundwater  Professional	Copy Stormwater Management Facilities Monitoring/Removal Estraction System Pretreatment System Coff-Site Disposal Monitoring Extraction System Pretreatment System (incremental to leachate) Coff-Site Disposal Monitoring Extraction System Pretreatment System (incremental to leachate) Coff-Site Disposal Monitoring Monitoring Monitoring Well Maintenance Subictal Annual O&M Cost: Contingency (30%): Subtotal: ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:  3 1  Extraction/Pretreatment System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Extraction System Decommissioning	\$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$50,000 \$35,000 \$25,000 \$25,000 not included not included \$150,000 \$150,000 \$157,500 \$682,500 \$34,125 \$10,375 \$10,000 \$890,425	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 \$25,000 \$43,000 \$150,000 \$150,000 \$43,000 \$150,000 \$43,000 \$150,000 \$150,000 \$45,045 \$125,135	\$25,000 \$25,000 \$5,000 \$159,000 \$40,000 \$25,000 not included not included not included \$150,000 \$159,000 \$159,000 \$689,000 \$34,450 \$10,000 \$888,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000	\$25,000 \$25,000 \$50,000 \$50,000 \$40,000 \$40,000 \$50,000 \$50,000 \$55,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000
Vaste  VAPL Leachate Landfill Gas  Croundwater  Profess Professional PERIODIC COST Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Removal Retraction System Pretreatment System Coffsite Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal: Institutional Controls Total Annual O&M Cost: Total Annual O&M Cost: Signal Controls Total Annual O&M Cost: Total Annual O&M Cost: Signal Controls Total Annual O&M Cos	\$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$35,000 \$35,000 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$44,125 \$10,205 \$44,125 \$10,000 \$40,000 \$40,000 \$40,000 \$50,000 \$50,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000	\$25,000 \$5,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$75,000 \$43,000 \$10,000 \$43,000 \$10,000 \$43,000 \$10,000 \$43,000 \$10,000 \$43,000 \$10,000 \$45,045 \$125,135	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$40,000 \$25,000 not included not included not included \$150,000 \$100,000 \$34,450 \$100,000 \$34,450 \$100,000 \$350,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$75,000 \$150,000 \$150,000 \$10,000 \$209,400 \$45,370 \$136,110 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000 \$110,000
Waste  NAPL Leachate Landfill Gas  Groundwater  Profess Professional Leachate Landfill Gas	Costs  Cap Sumwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System (Incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost: Collection System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$25,000 \$25,000 not included not included not included si50,000 \$10,000 \$525,000 \$10,000 \$400,000 \$400,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000 \$50,000	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$35,000 \$35,000 \$25,000 \$43,000 \$43,000 \$43,000 \$43,000 \$43,000 \$43,000 \$10,000 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$50,000 \$159,000 \$40,000 \$25,000 not included not included not included \$150,000 \$10,000 \$530,000 \$530,000 \$530,000 \$530,000 \$540,000 \$596,510	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$40,000 \$50,000 \$50,000 \$55,000 \$45,000 \$45,000 \$45,000 \$45,000 \$45,000 \$10,000 \$45,370 \$136,110 \$45,370 \$140,000 \$150,000 \$100,000 \$100,000 \$50,000 \$100,000 \$50,000 \$50,000 \$50,000
Vaste  VAPL Leachate Landfill Gas  Croundwater  Profess Professional PERIODIC COST Leachate Landfill Gas	Copy Stormwater Management Facilities Monitoring/Removal Batraction System Pretreatment System Collection and Flaring Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Extraction System Pretreatment System (incremental to leachate) Off-Site Disposal Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Institutional Controls: Total Annual O&M Cost: Total Annual O&M Cost: Total Annual O&M Cost: Total Annual O&M Cost: System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Monitoring Network Decommissioning Soutional Decommissioning Soutional Decommissioning Soutional Decommissioning Soutional Decommissioning Cost	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 not included not included not included \$150,000 \$10,000 \$525,000 \$10,300 \$34,125 \$102,375 \$100,000 \$90,425	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135 \$1,172,161 \$150,000 \$1,172,161	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$25,000 not included not included \$150,000 \$10,000 \$330,000 \$10,000 \$530,000	\$25,000 \$25,000 \$50,000 \$50,000 \$40,000 \$50,000 \$50,000 \$550,000 \$75,000 \$43,000 \$150,000 \$150,000 \$150,000 \$43,370 \$136,110 \$44,370 \$136,110 \$51,180,546
Vaste  VAPL Leachate Landfill Gas  Croundwater  Profess Professional PERIODIC COST Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Removal Retraction System Pretreatment System Coffsite Disposal Monitoring Extraction System (incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal: Institutional Controls Total Annual O&M Cost: Total Annual O&M Cost: Signal Controls Total Annual O&M Cost: Total Annual O&M Cost: Signal Controls Total Annual O&M Cos	\$25,000 \$25,000 \$5,000 \$5,000 \$150,000 \$35,000 \$50,000 \$25,000 not included not included not included \$150,000 \$10,000 \$525,000 \$10,300 \$34,125 \$102,375 \$100,000 \$90,425	\$25,000 \$25,000 \$5,000 \$150,000 \$150,000 \$35,000 \$35,000 \$25,000 \$43,000 \$43,000 \$43,000 \$43,000 \$43,000 \$43,000 \$10,000 \$45,045 \$135,135	\$25,000 \$25,000 \$5,000 \$50,000 \$159,000 \$25,000 not included not included not included \$150,000 \$159,000 \$159,000 \$689,000 \$44,450 \$10,000 \$544,450 \$10,000 \$50,000 \$10,000 \$50,000 \$10,000 \$50,000 \$100,000 \$50,000 \$400,000 \$400,000 \$400,000 \$420,000 \$420,000 \$420,000 \$520,000	\$25,000 \$25,000 \$50,000 \$50,000 \$40,000 \$50,000 \$50,000 \$55,000 \$150,000
Waste  NAPL Leachate Landfill Gas  Groundwater  Profess Professional Leachate Landfill Gas	Copy Stormwater Management Facilities Monitoring/Removal Extraction System Pretreatment System Off-Site Disposal Collection and Flaring Monitoring Extraction System Pretreatment System (Incremental to leachate) Off-Site Disposal Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal ional/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost: Collection System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Bxtraction System Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Cost Conditingency (30%):	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$25,000 not included not included not included \$150,000 \$157,500 \$682,500 \$34,125 \$10,300 \$48,500 \$157,500 \$682,500 \$157,500 \$682,500 \$157,500 \$682,500 \$157,500 \$682,500 \$157,500 \$682,500 \$157,500 \$682,500 \$100,000 \$890,425	\$25,000 \$25,000 \$5,000 \$50,000 \$150,000 \$35,000 \$50,000 \$50,000 \$43,000 \$150,000 \$693,000 \$207,900 \$900,900 \$45,045 \$135,135 \$1,172,161 \$150,000 \$1,172,161	\$25,000 \$25,000 \$5,000 \$159,000 \$159,000 \$25,000 not included not included \$150,000 \$10,000 \$330,000 \$10,000 \$530,000	\$25,000 \$25,000 \$50,000 \$50,000 \$40,000 \$50,000 \$50,000 \$550,000 \$75,000 \$43,000 \$150,000 \$150,000 \$150,000 \$43,370 \$136,110 \$44,370 \$136,110 \$51,180,546

<u>Notes</u>

Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.

#### SUMMARY OF ESTIMATED CAFITAL, ANNUAL OM, AND PERIODIC COSTE (LEACHATE/GROUNDWATER T&D SCENARIO, O'A AGENCY OVERSIGHT) NORTH SANITARY LANDFILL DAYTON, OHIO

Page 3 of 4

		24	2b	3a	35
	Alternative No.: Disposal Area 1, 2, 3, 5 Cap.	SW Cap	SW Cap	Alternate SW Cap	Alteniate SW Car
	Groundwater:	Monitoriug	Extraction	Monitoring	Extraction
Environmental Media	Process Options				
CAPITAL COSTS	<del> </del>				
Waste and	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080	\$1,537,080
OPBWA Soil	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,000	\$25,000
	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$7,650	\$7,650
	OPBWA Post-Excavation Sampling	\$2,000	\$2,000	\$2,000	\$2,000
	Cap Disposal Areas 1, 2, 3, 5	\$9,840,217	\$9,840,217	\$6,645,923	\$6,645,923
	Stormwater Management Facilities	\$250,000	\$250,000 .	\$250,000	\$250,000
	Valleycrest Drive Re-Opening	\$180,750	\$180,750	\$180,750	\$180,750
VAPL	Recovery Systems at NSL-54L and NSL-55L	\$25,000	\$25,000	\$25,000	\$25,000
eachate	Extraction System	\$794,750	\$794,750	\$794,750 \$50,000	\$794,750 \$50,000
	Collection Tank	\$50,000	\$50,000	\$764,000	\$764,000
Landfill Gas	Collection and Monitoring System	\$764,000	\$764,000 not included	not included	not included
	Bnergy Recovery Devices	not included \$150,000	\$150,000	\$150,000	\$150,000
Groundwater	Monitoring Network Expansion	not included	\$276,000	not included	\$276,000
	Extraction System Collection Tank (incremental to leachate)	not included	\$75,000	not included	\$75,000
	Subtotal Capital Cost:	\$13,626,447	\$13,977,447	\$10,432,153	\$10,783,153
	Contingency (30%):	\$4,087,934	\$4,193,234	\$3,129,646	\$3,234,946
	Subtotal:	\$17,714,381	\$18,170,681	\$13,561,799	\$14,018,099
		\$885,719	\$908,534	\$678.090	\$700,905
	onal/Technical Services - Project Management (5%):			\$813,708	\$841,086
	essional/Technical Services - Remedial Design (6%):	\$1,062,863	\$1,090,241	\$813,708	\$841,086
Professional/	Technical Services - Construction Management (6%):	\$1,062,863	\$1,090,241	• • • • •	\$25,000
	Institutional Controls: Total Capital Costs	\$25,000 <b>\$20,750,82</b> 6	\$25,000 <b>\$21,284,697</b>	\$25,000 \$15,892,305	\$25,000 \$16,426,176
ANNUAL OGM C Waste					<u></u>
	ICan I	525,000	\$25,000	\$25,000	\$25,000
	Cap Stormwater Management Facilities	\$25,000 \$25,000	\$25,000 \$25,000	\$25,000	\$25,000
	Stormwater Management Facilities			\$25,000 \$5,000	\$25,000 \$5,000
NAPL Leachate		\$25,000 \$5,000 \$50,000	\$25,000 \$5,000 \$50,000	\$25,000 \$5,000 \$50,000	\$25,000 \$5,000 \$50,000
NAPL Leachate	Stormwater Management Facilities Monitoring/Removal	\$25,000 \$5,000 \$50,000 \$1,629,360	\$25,000 \$5,000 \$50,000 \$1,629,360	\$25,000 \$5,000 \$50,000 \$1,997,280	\$25,000 \$5,000 \$50,000 \$1,997,280
NAPL Leachate	Stormwater Management Facilities Monitoring/Removal Extraction System	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$60,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000
NAPL Leachate	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$60,000 \$25,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000
NAPL	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 not included	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$50,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$60,000 \$25,000 not included	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$50,000
NAPL Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 not included not included	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$2,154,960	\$25,000 \$5,000 \$50,000 \$1,997,280 \$60,000 \$25,000 not included not included	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960
NAPL Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$21,54,960 \$150,000	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000
NAPL Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 not included not included	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$10,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$50,000 \$2,154,960 \$10,000
NAPL Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$110,000 \$1,969,360	\$25,060 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$10,000 \$4,174,320	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$1,000 \$2,337,280	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$10,000
NAPL Leachate Landfill Gas	Sturmwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monttoring Extraction System Off-Site T&D Monitoring Monito	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$1,969,360 \$590,808	\$25,060 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$1,74,320 \$4,174,320 \$1,222,226	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$4,562,672
NAPL Leachate Landfill Gas Groundwater	Stormwater Management Facilities Monitoring/Removal Extraction System OF-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal:	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$1,969,360 \$590,808 \$2,560,168	\$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$4,174,320 \$4,174,320 \$4,222,226 \$5,426,616	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,000 \$2,154,960 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912
NAPL exchate andfill Gas Groundwater Professi	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Subtotal Subtotal Subtotal Subtotal Ornal/Technical Services - Project Management (%):	\$25,000 \$5,000 \$50,000 \$1,629,360 \$25,000 \$25,000 not included not included \$150,000 \$10,000 \$1,969,360 \$2,560,168 \$128,008	\$25,060 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$10,000 \$4,174,320 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$150,000 \$110,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246
NAPL Leschate Landfill Gas Groundwater Professi	Stormwater Management Facilities Monitoring/Removal Extraction System OF-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal:	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not Included \$150,000 \$10,000 \$1,969,360 \$590,808 \$2,560,168 \$122,008	\$25,060 \$5,000 \$5,000 \$1,629,360 \$60,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$1,174,320 \$1,252,296 \$2,426,616 \$271,331 \$813,992	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
NAPL Leschate Landfill Gas Groundwater Professi	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Subtotal Subtotal Subtotal Subtotal Ornal/Technical Services - Project Management (%):	\$25,000 \$5,000 \$50,000 \$1,629,360 \$25,000 \$25,000 not included not included \$150,000 \$10,000 \$1,969,360 \$2,560,168 \$128,008	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$21,54,960 \$150,000 \$11,000 \$11,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000	\$25,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,397,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$1,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000
NAPL Leschate Landfill Gas Groundwater Professi	Stormwabz Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitor	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not Included \$150,000 \$10,000 \$1,969,360 \$590,808 \$2,560,168 \$122,008	\$25,060 \$5,000 \$5,000 \$1,629,360 \$60,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$1,174,320 \$1,252,296 \$2,426,616 \$271,331 \$813,992	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
NAPL Leschate Landfill Gas Groundwater Professi	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Annual O&M Cost: Ontingency (30%): Subtotal Annual O&M Cost: Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost: Total Annual O&M Cost:	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$1,969,360 \$590,808 \$2,560,168 \$128,008 \$384,025 \$10,000	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$1,174,320 \$1,252,296 \$5,426,616 \$2271,331 \$813,992 \$10,000 \$6,521,939	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$1,362,672 \$7,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL Leschate Landfill Gas Groundwater Professional,	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Annual O&M Cost: Ontingency (30%): Subtotal Annual O&M Cost: Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost: Total Annual O&M Cost:	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$1,969,360 \$590,808 \$2,560,168 \$128,008 \$384,025 \$10,000	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$11,000 \$11,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,339	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,397,280 \$701,184 \$3,038,464 \$151,923 \$435,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL Leachate Leachate Leachate Groundwater Professi Professional Perriodic COST Leachate	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal ornal/Technical Services - Project Management (5%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost: Total Annual O&M Cost:  52 Extraction/Tank System Decommissioning	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not Included \$150,000 \$1,969,360 \$590,808 \$2,560,168 \$122,008 \$384,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$1,174,320 \$1,252,296 \$5,426,616 \$2271,331 \$813,992 \$10,000 \$6,521,939	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$10,000 \$4,242,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL Leachate Leachate Leachate Croundwater Professional Professional	Sturmwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Subtotal Annual O&M Cost Contingency (30%): Subtotal Contingency (30%): Subtotal Institutional Controls: Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost  Statestion/Tank System Decommissioning Collection System Decommissioning	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 mot included not included \$150,000 \$1,699,360 \$590,808 \$2,560,168 \$128,008 \$384,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$11,000 \$11,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,339	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,397,280 \$701,184 \$3,038,464 \$151,923 \$435,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL  andfill Gas  Grundwater  Professi  Professional  PERIODIC COST  eachate  andfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Extraction System Off-Site T&D Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Annual O&M Cost: Ontingency (30%): Subtotal Annual O&M Cost: Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:  State Cost: Collection System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$11,000 \$1,969,360 \$599,808 \$2,560,168 \$128,008 \$384,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,174,320 \$4,174,320 \$4,174,320 \$1,222,226 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,939	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$771,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$10,000 \$10,000 \$4,242,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL  andfill Gas  Grundwater  Professi  Professional  PERIODIC COST  eachate  andfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Annual O&M Cost: Technical Services - Project Management (5%): (Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:  Collection System Decommissioning Extraction System Decommissioning Extraction System Decommissioning	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$11,000 \$1,969,360 \$590,808 \$2,560,168 \$128,008 \$384,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,500 \$50,000 \$2,154,960 \$150,000 \$1,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$813,992 \$10,000 \$6,521,939	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$2,154,960 \$150,000 \$110,000 \$4,542,240 \$11,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL Leachate Landfill Gas Groundwater  Professi Professional  Professional  CERTODIC COST Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Technical Services - Project Management (%): Institutional Controls: Total Annual O&M Cost: Total Annual O&M Cost:  Total Annual O&M Cost:  State Controls: Total Annual O&M Cost:  With Cost:  State Controls: Total Annual O&M Cost:  Extraction/Tank System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$1,959,360 \$590,808 \$2,560,168 \$1,256,000 \$34,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$1,174,320 \$1,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,939 \$150,000 \$100,000 \$50,000 \$150,000	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$10,000 \$2,397,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$1,362,672 \$7,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894
NAPL Leachate Landfill Gas Groundwater  Professi Professional  Professional  CERTODIC COST Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Oral/Technical Services - Project Management (5%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost  State Controls: Total Annual O&M Cost  Collection System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Extraction/Tank System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Cost	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 mot included not included \$150,000 \$1,699,360 \$590,808 \$2,560,168 \$128,008 \$394,025 \$10,000 \$3,082,202	\$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$150,000 \$1150,000 \$11,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,939 \$150,000 \$100,000 \$50,000 \$150,000 \$50,000 \$150,000 \$150,000 \$150,000 \$150,000	\$25,000 \$5,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$1,900 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$485,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$50,000 \$25,000 \$150,000 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894 \$150,000 \$100,000 \$50,000 \$100,000 \$50,000 \$100,000 \$50,000 \$150,000 \$50,000 \$150,000
NAPL Leschate Landfill Gas Groundwater Professional, Professional,	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Extraction System Off-Site T&D Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Annual O&M Cost: Ontingency (30%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:  State Collection System Decommissioning Collection System Decommissioning Extraction/Tank System Decommissioning Extraction System Decommissioning Extraction System Decommissioning Extraction System Decommissioning Collection System Decommissioning Extraction System Decommissioning Extraction System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Cost Contingency (30%):	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$11,000 \$11,969,360 \$599,808 \$2,560,168 \$122,008 \$384,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,000 \$2,154,960 \$150,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,939 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000	\$25,000 \$5,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$1,900 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$485,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$150,000 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,362,672 \$1,000
NAPL Leschate Landfill Gas Groundwater  Professional, Professional, Leachate Landfill Gas Groundwater	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Services - Project Management (5%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost Collection System Decommissioning Collection System Decommissioning Extraction System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Contingency (30%): Subtotal	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 mot included not included \$150,000 \$11,969,360 \$590,808 \$2,560,168 \$128,008 \$384,025 \$10,000 \$3,082,202 \$150,000 \$100,000 \$50,000 not included \$100,000 \$510,000 \$520,000 \$520,000 \$520,000 \$520,000	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,500 \$50,000 \$2,154,960 \$150,000 \$1,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$813,992 \$10,000 \$6,521,939 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$1550,000 \$165,000 \$165,000 \$165,000 \$165,000	\$25,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$1,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,656,157 \$10,000 \$100,000 \$100,000 \$2,000 \$100,000 \$2,000 \$100,000 \$2	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$150,000 \$150,000 \$1,362,672 \$7,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894 \$150,000 \$7,095,894
NAPL Leachate Landfill Gas Groundwater  Professi Professional  Professional  CERTODIC COST Leachate Landfill Gas	Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Extraction System Off-Site T&D Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost: Contingency (30%): Subtotal Annual O&M Cost: Ontingency (30%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost:  State Collection System Decommissioning Collection System Decommissioning Extraction/Tank System Decommissioning Extraction System Decommissioning Extraction System Decommissioning Extraction System Decommissioning Collection System Decommissioning Extraction System Decommissioning Extraction System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Cost Contingency (30%):	\$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$11,000 \$11,969,360 \$599,808 \$2,560,168 \$122,008 \$384,025 \$10,000 \$3,082,202	\$25,060 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,000 \$2,154,960 \$150,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$613,992 \$10,000 \$6,521,939 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000	\$25,000 \$5,000 \$5,000 \$5,000 \$1,997,280 \$60,000 \$25,000 not included not included \$150,000 \$1,900 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$485,770 \$10,000 \$3,656,157	\$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,500 \$2,154,960 \$150,000 \$110,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,095,894

Notes

CRA Replaced Con

Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.

### SUMMARY OF ESTIMATED CAPITAL, ANNUAL Q/M, AND PERIODIC COSTS (LEACHATE/GROUNDWATER T&D SCENARIO, 5% AGENCY OVERSIGHT) NORTH SANITARY LANDFILL DAYTON, OHIO

Page 4 of 4

	Alternative No.:	2a	2Ь .	3a	3b Alternate SW Ca
	Disposal Area 1, 2, 3, 5 Cap:	SW Cap	SW Cap	Alternate SW Cap	Extraction
	Groundwater.	Monitoriug	Extraction	Monitoring	Extraction
Environmental Media	Process Options				<u> </u>
APITAL COSTS					
Vaste and	Disposal Area 4 Waste Relocation	\$1,537,080	\$1,537,080	\$1,537,080	\$1,537,080
OPBWA Soil	Disposal Area 4 Post-Excavation Sampling	\$25,000	\$25,000	\$25,000	\$25,000 \$7,650
	OPBWA Waste and Soil Consolidation	\$7,650	\$7,650	\$7,650 \$2,000	\$2,000
	OPBWA Post-Excavation Sampling	\$2,000 \$9,840,217	\$2,000 \$9,840,217	\$6,645,923	\$6,645,923
	Cap Disposal Areas 1, 2, 3, 5	\$250,000	\$250,000	\$250,000	\$250,000
	Stormwater Management Facilities Valleycrest Drive Re-Opening	\$180,750	\$180,750	\$180,750	\$180,750
NAPL	Recovery Systems at NSL-54L and NSL-55L	\$25,000	\$25,000	\$25,000	\$25,000
eachate	Extraction System	\$794,750	\$794,750	\$794,750	\$794,750
	Collection Tank	\$50,000	\$50,000	\$50,000	\$50,000 \$764,000
andfill Gas	Collection and Monitoring System	\$764,000	\$764,000	\$764,000 not included	not included
	Energy Recovery Devices	not included	not included \$150,000	\$150,000	\$150,000
Groundwater	Monitoring Network Expansion	\$150,000 not included	\$276,000	not included	\$276,000
	Bxtraction System  Collection Tank (Incremental to leachate)	not included	\$75,000	not included	\$75,000
	Subtotal Capital Cost:	\$13,626,447	\$13,977,447	\$10,432,153	\$10,783,153
	Contingency (30%):	\$4,087,934	\$4,193,234	\$3,129,646	\$3,234,946
	Subtofal:	\$17,714,381	\$18,170,681	\$13,561, <del>799</del>	\$14,018,099
Professi	ional/Technical Services - Project Management (5%):	\$885,719	\$908,534	\$678,090	\$700,905
	essional/Technical Services - Remedial Design (6%):	\$1,062,863	\$1,090,241	\$813,708	\$841,086
	Technical Services - Construction Management (6%):	\$1,062,863	51,090,241	\$813,708	\$841,086
1101013101447		100	12:13:11:11	1940	
		\$25,000	\$25,000	\$25,000	\$25,600
	Institutional Controls:	المال المعالد	400,000		
	Institutional Controls: Total Capital Cost:	\$22,345,120	\$12,920,058	\$17,112,867	\$17,687,805
ANNIIAL O <u>SM</u> C	Total Capital Cost:	\$22,345,120	\$22,920,058		
	Total Capital Cost:  OSTS    Cap	\$22,345,120 \$25,000	\$22,920,058 \$25,000	\$25,000	\$25,000
Waste	Total Capital Cost: OSTS Cap Stormwater Management Facilities	\$22,345,120 \$25,000 \$25,000	\$22,920,058 \$25,000 \$25,000	\$25,000 \$25,000	
Waste NAPL	Total Capital Cost:  OSTS  Cap Stormwater Management Facilities  Monitoring/Removal	\$22,345,120 \$25,000 \$25,000 \$5,000	\$22,920,058 \$25,000 \$25,000	\$25,000	\$25,000 \$25,000
Waste NAPL	Total Capital Cost:  OSTS    Cap	\$25,000 \$25,000 \$5,000 \$5,000	\$22,920,058 \$25,000 \$25,000	\$25,000 \$25,000 \$5,000	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280
Vaste NAPL eachate	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Extraction System  Off-Site T&D	\$22,345,120 \$25,000 \$25,000 \$5,000	\$22,920,0\$8 \$25,000 \$25,000 \$5,000	\$25,000 \$25,000 \$5,000 \$60,000 \$1,997,280 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000
Waste NAPL Leachate	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring	\$22,345,128 \$25,000 \$25,000 \$5,000 \$50,000 \$1,629,360	\$22,920,038 \$25,000 \$25,000 \$5,000 \$70,000 \$1,629,360	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000	\$25,000 \$25,000 \$50,000 \$50,000 \$1,997,280 \$50,000 \$25,000
Vaste VAPL eachate andfill Gas	Total Capital Cost:  OSTS  Cap Stormwater Management Facilities  Monitoring/Removal Extraction System Off-Site T&D  Collection and Flaring Monitoring	\$22,345,120 \$25,000 \$25,000 \$5,000 \$50,000 \$1,629,360 \$50,000	\$22,920,038 \$25,000 \$25,000 \$5,000 \$60,000 \$1,629,360 \$50,000	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flating Monitoring Extraction System Extraction System	\$22,345,120 \$25,000 \$25,000 \$5,000 \$1,629,360 \$25,000 \$25,000	\$22,920,058 \$25,000 \$25,000 \$5,000 \$1,629,360 \$50,000 \$25,000	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960
Waste NAPL Leachate Landfill Gas	Total Capital Cost:  OSTS  Cap Stormwater Management Facilities  Monitoring/Removal Extraction System Off-Site T&D  Collection and Flaring Monitoring	\$22,345,120 \$25,000 \$25,000 \$6,000 \$5,000 \$1,629,360 \$50,000 \$225,000 not included	\$22,920,058 \$25,000 \$5,000 \$5,000 \$60,000 \$1,629,360 \$50,000 \$25,000 \$21,54,960 \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000	\$25,000 \$22,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$2,5000 \$2,154,960 \$150,000
Waste NAPL Leachate Landfill Gas	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance	\$22,345,120 \$25,000 \$25,000 \$5,000 \$1,629,360 \$50,000 \$25,000 not included not included \$150,000 \$10,000	\$22,920,958 \$25,000 \$5,000 \$5,000 \$50,000 \$1,629,360 \$50,000 \$25,000 \$2,154,960 \$150,000 \$10,000	\$25,000 \$25,000 \$50,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$150,000 \$10,000
ANNIIAL OEM C Vaste NAPL Leachate Landfill Gas Groundwater	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Estraction System Off-Site T&D Collection and Flaring Monitoring Batraction System Off-Site T&D Monitoring Well Maintenance Subtotal Annual O&M Cost	\$22,345,120 \$25,000 \$25,000 \$5,000 \$1,629,360 \$50,000 \$1,629,360 \$25,000 not included not included \$150,000 \$10,000 \$10,000	\$22,920,058 \$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$25,000 \$2,154,960 \$10,000 \$4,174,320	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$50,000 \$2,154,960 \$150,000 \$4,542,240
Vaste VAPL eachate andfill Gas	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%):	\$22,345,120  \$25,000  \$25,000  \$5,000  \$5,000  \$1,629,360  \$50,000  \$25,000  \$01 fucluded  not included  \$150,000  \$1,699,360  \$51,969,360	\$22,920,058 \$25,000 \$5,000 \$5,000 \$6,000 \$1,629,360 \$50,000 \$25,000 \$21,54,960 \$150,000 \$10,000 \$4,174,320 \$1,252,296	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$10,000 \$4,542,240 \$1,362,672
NAPL eachate eachate candfill Gas	Total Capital Cost  Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flacing Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Consider T&D Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Subtotal Annual O&M Cost Contingency (30%; Subtotal:	\$22,345,120  \$25,000  \$25,000  \$5,000  \$5,000  \$1,629,360  \$50,000  \$25,000  and included  and included  \$150,000  \$10,000  \$10,000  \$10,000  \$25,000  \$25,000  \$25,000  \$25,000	\$22,920,058 \$25,000 \$5,000 \$5,000 \$60,000 \$1,629,360 \$50,000 \$25,000 \$21,54,960 \$10,000 \$4,174,320 \$1,252,226 \$5,426,616	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464	\$25,000 \$22,000 \$5,000 \$5,000 \$50,000 \$50,000 \$25,000 \$2,500 \$1,54,960 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912
Veste  NAPL eachate andfill Gas Groundwater  Professi	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Well Maintenance  Subtotal Annual O&M Cost Contingency (30%): Subtotal Subtotal Subtotal Subtotal Subtotal Subtotal Cost Contingency (30%):	\$22,345,120  \$25,000  \$25,000  \$5,000  \$5,000  \$1,629,360  \$5,000  not included  not included \$150,000  \$1,969,360  \$25,000  \$1,969,360  \$2,560,168  \$128,008	\$22,920,058 \$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$23,5000 \$21,154,960 \$10,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331	\$25,000 \$25,000 \$50,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$0,038,464 \$151,923	\$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$25,000 \$25,000 \$2,154,960 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246
Veste VAPL eachate andfill Gas Groundwater  Professi	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Estraction System Off-Site T&D Collection and Flaring Monitoring Betraction System Off-Site T&D Monitoring Subtotal Annual O&M Cost Contingency (30%): Subtotal Contingency (30%): Contingency (30%): Subtotal Contingency (30%):	\$22,345,120  \$25,000  \$25,000  \$5,000  \$1,629,360  \$25,000  sof included  not included  not included  \$10,000  \$1,969,360  \$59,808  \$2,560,168  \$122,008  \$384,025	\$22,920,058 \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,000 \$50,000 \$2,154,960 \$150,000 \$1,000 \$1,724,320 \$1,252,296 \$2,254,26,616 \$271,331 \$813,992	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$50,000 \$150,000 \$1,362,672 \$1,362,672 \$5,904,912 \$2,952,246 \$885,737
Veste  NAPL eachate andfill Gas Groundwater  Professi	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Omai/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%):	\$22,345,120  \$25,000  \$25,000  \$5,000  \$1,629,360  \$5,000  \$25,000  and included  and included  \$150,000  \$1,969,360  \$2,560,168  \$128,008  \$344,025	\$22,920,058 \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$2,154,960 \$150,000 \$1,000 \$1,252,296 \$5,426,616 \$271,331 \$813,992	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
Veste  NAPL eachate andfill Gas Groundwater  Professi	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Jonal / Technical Services - Project Management (5%): / Technical Services - O&M Technical Support (15%): Institutional Controls:	\$22,345,120  \$25,000  \$25,000  \$5,000  \$5,000  \$1,629,360  \$50,000  \$25,000  \$25,000  \$21,600,000  \$1,600,000  \$10,000  \$10,000  \$10,000  \$128,008  \$2,560,168  \$128,008  \$34,025	\$22,920,058 \$25,000 \$5,000 \$5,000 \$6,000 \$6,029,360 \$50,000 \$25,000 \$15,000 \$15,000 \$11,000 \$4,174,320 \$1,222,226 \$5,426,616 \$271,331 \$813,992	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$10,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
Veste  NAPL eachate andfill Gas Groundwater  Professi	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Omai/Technical Services - Project Management (5%): /Technical Services - O&M Technical Support (15%):	\$22,345,120  \$25,000  \$25,000  \$5,000  \$1,629,360  \$5,000  \$25,000  and included  and included  \$150,000  \$1,969,360  \$2,560,168  \$128,008  \$344,025	\$22,920,058 \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$25,000 \$2,154,960 \$150,000 \$1,000 \$1,252,296 \$5,426,616 \$271,331 \$813,992	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$50,000 \$150,000 \$150,000 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
NAPL eachate andfill Gas Groundwater  Professionaly PERIODIC COST	Total Capital Cost  OSTS  Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Ional/Technical Services - Project Management (5%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost	\$22,345,120  \$25,000  \$25,000  \$5,000  \$1,629,360  \$5,000  sof included  not included  5150,000  \$1,959,360  \$2,560,168  \$128,008  \$384,025  \$10,000  \$3,312,617	\$22,920,058 \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$150,000 \$1,000 \$1,174,320 \$1,252,296 \$271,331 \$813,992 \$10,000 \$7,010,335	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
Veste  VAPL eachate andfill Gas  From undwater  Professional Professional	Cost's    Cap	\$22,345,120  \$25,000  \$25,000  \$5,000  \$5,000  \$1,629,360  \$50,000  \$1,629,360  \$1,629,360  \$1,629,360  \$1,629,360  \$1,629,360  \$1,000  \$1,000  \$1,000  \$1,000  \$3,362,617	\$22,920,058 \$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$150,000 \$1,529,616 \$150,000 \$4,174,320 \$1,252,296 \$5,426,616 \$7,131 \$813,992 \$10,000 \$7,010,335	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$150,000 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
Veste  VAPL eachate andfill Gas  From undwater  Professional Professional	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Co	\$22,345,120  \$25,000  \$25,000  \$50,000  \$5,000  \$1,629,360  \$51,609  ant included  not included  \$150,000  \$1,969,360  \$2,560,168  \$128,008  \$384,025  \$1,000  \$3,312,617	\$22,920,158 \$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,750,000 \$2,154,960 \$10,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$813,992 \$10,000 \$7,010,335	\$25,000 \$25,000 \$5,000 \$50,000 \$50,000 \$50,000 \$25,000 not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$150,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737
NAPL eachate andfill Gas Groundwater  Professi Professional, eachate eachate andfill Gas	Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Batraction System Off-Site T&D Monitoring Institutional Controls: Total Annual O&M Cost Total Annual O&M Cost Cost Cost Cost Controls Stormwater Cost Contingency (30%): Subtotal Controls Total Annual O&M Cost Cost Cost Cost Cost Cost Cost Cost	\$22,345,120  \$25,000 \$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 sof included not included si150,000 \$11,669,360 \$59,808 \$2,560,168 \$122,008 \$384,025 \$384,025 \$10,000 \$3,322,617	\$22,920,058 \$25,000 \$55,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$150,000 \$4,174,320 \$1,252,296 \$5426,616 \$277,331 \$813,992 \$57,010,335	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,627,336
Veste  NAPL eachate andfill Gas Groundwater  Professi Professional, eachate andfill Gas	Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Betraction System Off-Site T&D Monitoring Betraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Onal/Technical Services - Project Management (%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost  S  Extraction/Tank System Decommissioning Collection System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Extraction System Decommissioning Extraction System Decommissioning	\$22,345,120  \$25,000  \$25,000  \$5,000  \$1,629,360  \$5,000  sof included  not included  \$150,000  \$1,959,360  \$2,560,168  \$128,008  \$384,025  \$10,000  \$3,312,617	\$22,920,058 \$25,000 \$55,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$150,000 \$1,150,000 \$1,174,320 \$1,1252,296 \$5,425,616 \$271,331 \$813,992 \$1,254,960 \$10,000 \$7,010,335	\$25,000 \$25,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$15,997,280 \$50,000 \$10,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,329,619	\$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$50,000 \$25,000 \$25,000 \$2,154,960 \$159,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,627,336
Veste  NAPL eachate andfill Gas Groundwater  Professi	Cap Stormwater Management Facilities Monitoring/Removal Extraction/System Off-Site T&D Collection and Flaring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal: Onal/Technical Services - Project Management (5%): Technical Services - O&M Technical Support (15%): Institutional Controls: Total Annual O&M Cost S  Extraction/Tank System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning Monitoring Network Decommissioning	\$22,345,120  \$25,000  \$25,000  \$5,000  \$1,629,360  \$5,000  \$1,629,360  \$50,000  \$1,629,360  \$1,629,360  \$1,99,000  \$1,99,000  \$1,99,008  \$2,560,168  \$128,008  \$348,025  \$10,000  \$3,312,617	\$22,920,058 \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$150,000 \$1,000 \$1,1252,296 \$5,426,616 \$271,331 \$813,992 \$1,000 \$7,010,335 \$150,000 \$50,000 \$150,000	\$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$5,000 \$25,000 not included not included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$2,154,960 \$150,000 \$10,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,627,336
NAPL eachate andfill Gas Groundwater  Professi Professional, eachate eachate andfill Gas	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Co	\$22,345,120  \$25,000  \$25,000  \$50,000  \$50,000  \$1,629,360  \$50,000  ant included  not included  \$150,000  \$1,969,360  \$2,560,168  \$128,008  \$324,025  \$110,000  \$3,312,617	\$22,920,158  \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$10,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$813,992 \$10,000 \$7,010,335	\$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619 \$150,000 \$100,000 \$50,000 \$400,000	\$25,000 \$25,000 \$5,000 \$5,000 \$5,000 \$50,000 \$25,000 \$25,000 \$2,154,960 \$159,000 \$4,542,240 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,627,336
NAPL eachate andfill Gas Groundwater  Professi Professional, eachate eachate andfill Gas	Cap Stormwater Management Facilities Monitoring / Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Batraction System Off-Site T&D Monitoring Subtotal Annual O&M Cost Contingency (30%):  Technical Services - Project Management (5%):  Institutional Controls: Total Annual O&M Cost Cost Collection System Decommissioning Monitoring Network Decommissioning Extraction System Decommissioning Monitoring Network Decommissioning Subtotal Decommissioning Cost Contingency (30%):	\$22,345,120  \$25,000 \$25,000 \$5,000 \$5,000 \$1,629,360 \$50,000 sof included not included si150,000 \$11,699,360 \$599,808 \$2,560,168 \$122,008 \$33,312,617  \$150,000 \$10,000 \$10,000 \$10,000 \$10,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000	\$22,920,058 \$25,000 \$55,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$150,000 \$4,174,320 \$1,252,296 \$5426,616 \$277,331 \$813,992 \$35,000 \$7,000 \$7,000 \$50,000 \$100,000 \$50,000 \$150,000 \$150,000 \$550,000 \$150,000	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 not included nut included \$150,000 \$10,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619 \$150,000 not included \$150,000 \$100,000 \$2,327,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$1,362,672 \$1,362,672 \$7,904,912 \$7,
NAPL eachate andfill Gas Groundwater  Professi Professional, eachate eachate andfill Gas	Cap Stormwater Management Facilities Monitoring/Removal Extraction System Off-Site T&D Collection and Flaring Monitoring Extraction System Off-Site T&D Monitoring Extraction System Off-Site T&D Monitoring Monitoring Monitoring Monitoring Well Maintenance Subtotal Annual O&M Cost Contingency (30%): Subtotal Co	\$22,345,120  \$25,000  \$25,000  \$50,000  \$50,000  \$1,629,360  \$50,000  ant included  not included  \$150,000  \$1,969,360  \$2,560,168  \$128,008  \$324,025  \$110,000  \$3,312,617	\$22,920,158  \$25,000 \$5,000 \$5,000 \$5,000 \$1,629,360 \$50,000 \$2,154,960 \$10,000 \$4,174,320 \$1,252,296 \$5,426,616 \$271,331 \$813,992 \$10,000 \$7,010,335	\$25,000 \$25,000 \$5,000 \$5,000 \$50,000 \$1,997,280 \$50,000 \$25,000 not included not included \$150,000 \$2,337,280 \$701,184 \$3,038,464 \$151,923 \$455,770 \$10,000 \$3,929,619 \$150,000 \$100,000 \$50,000 \$400,000	\$25,000 \$25,000 \$5,000 \$5,000 \$1,997,280 \$50,000 \$25,000 \$25,000 \$150,000 \$150,000 \$1,362,672 \$5,904,912 \$295,246 \$885,737 \$10,000 \$7,627,336

### Notes

<sup>\*</sup>Decommissioning and Remedial Action Report costs occur at Year 30. 5-Year review costs occur at Years 5, 10, 15, 20, and 25. Includes 30% contingency.